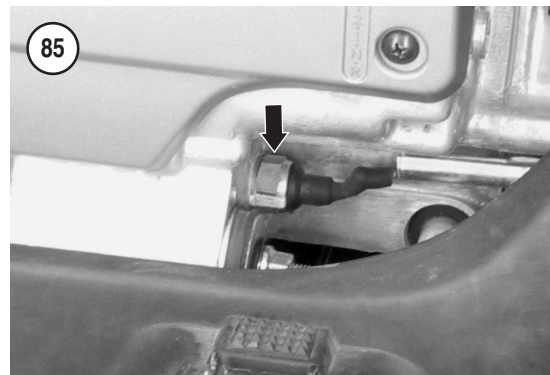
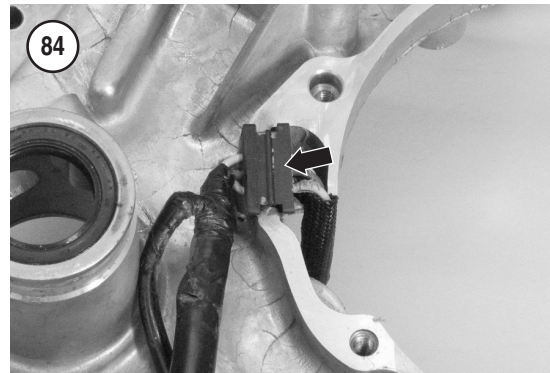


5. Apply a threadlock to the bolt threads.
6. Install the switch and tighten the bolt to 12 N•m (106 in.-lb.).
7. Apply sealant to the grommet and install it into the rear crankcase cover.
8. Install the rear crankcase cover (Chapter Five).

OIL THERMOSENSOR

The oil thermosensor (**Figure 85**) is located on the left side of the crankcase.



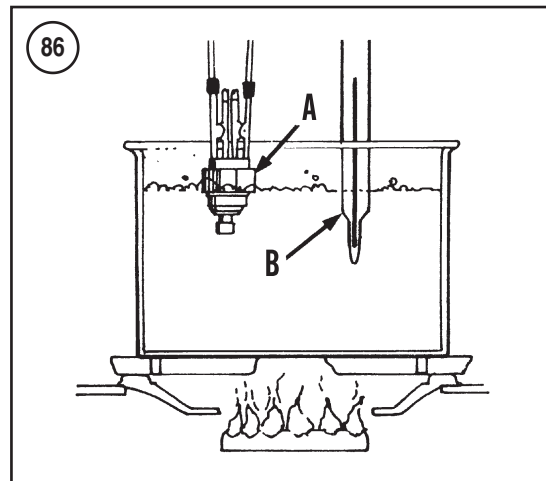
Testing

1. Remove the oil thermosensor as described in this section.

WARNING

Wear safety glasses and gloves during this test. Keep all flammable materials away from the burner.

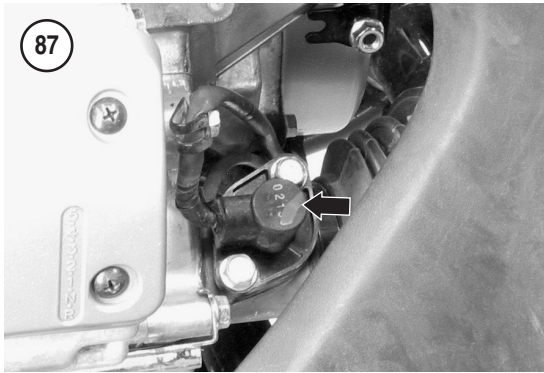
2. Use an ohmmeter with an alligator clip on one test lead end. Attach one of the alligator clips to the electrical connector on the sensor.
3. Suspend the thermosensor in a small container filled with engine oil (A, **Figure 86**).
4. Place a thermometer in the pan of oil (B, **Figure 86**). Do not let the sensor or the thermometer touch the pan as it will give false readings.
5. Heat the oil and place the remaining ohmmeter test lead against the threads on the thermosensor body.
6. Check the resistance readings at the temperatures listed below:
 - a. At 302° F (150° C), the ohmmeter should read 306-340 ohms.
 - b. At 338° F (170° C), the ohmmeter should read 209-231 ohms.



7. If the resistance readings are incorrect, replace the thermosensor.
8. Install the oil thermosensor as described in this section.

Removal/Installation

1. Drain the engine oil (Chapter Three).



2. Disconnect the connector from the thermosensor and remove the thermosensor (**Figure 85**).
3. Reverse Steps 1 and 2 to install the thermosensor while noting the following:
 - a. Install a new sealing washer.
 - b. Tighten the oil thermosensor to 18 N•m (13 ft.-lb.).
 - c. After starting the engine, check for oil leaks.

SPEED SENSOR UNIT

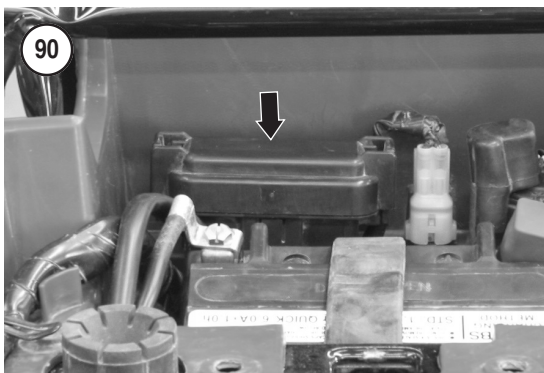
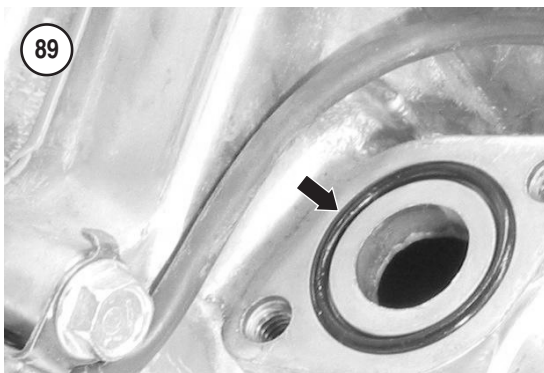
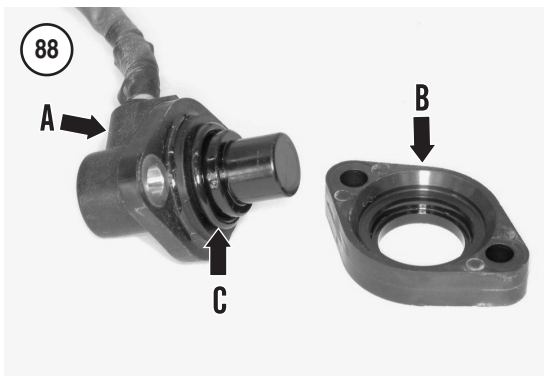
All FE and TE models, as well as FM and TM models equipped with a combination meter, are equipped with a speed sensor unit. The speed sensor unit is mounted in the rear crankcase cover (**Figure 87**).

Testing

Refer to *Combination Meter* in Chapter Two.

Removal/Installation

1. Remove the rear crankcase cover as described in Chapter Fifteen.
2. Disconnect the speed sensor electrical connector (C, **Figure 2**).
3. Remove the bolts, speed sensor unit (A, **Figure 88**) and insulator (B).
4. Replace the O-ring on the speed sensor (C, **Figure 88**) and crankcase cover (**Figure 89**) if it is leaking or damaged.
5. Installation is the reverse of the preceding removal steps while noting the following:
 - a. Lubricate the two O-rings with engine oil.
 - b. Tighten the mounting bolts securely.



FUSES

Whenever the fuse blows, determine the reason for the failure before replacing the fuse. Usually, the trouble is a short circuit in the wiring, which may be caused by worn-through insulation or a disconnected wire touching ground.

All fuses are contained in the fuse box located next to the battery (**Figure 90**).

See **Table 5** for fuse ratings.

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